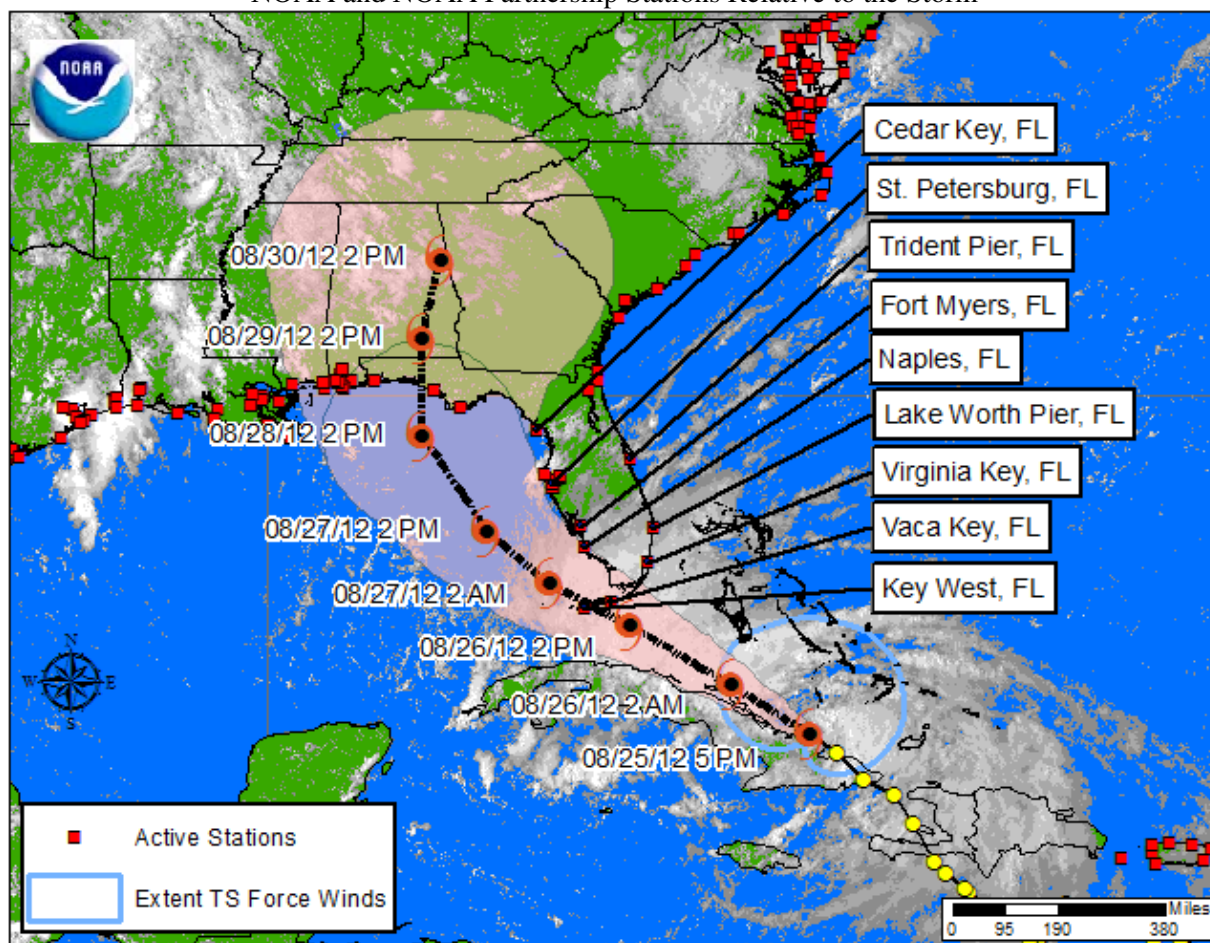




Tropical Storm ISAAC QuickLook  
Posted: 18:00 EDT 08/25/2012

#### NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 08/25/2012 18:00 EDT, water levels along the central and southern coast of Florida are at or near predicted tide levels. Water levels along the Florida Keys are elevated 0.2 to 0.5 ft above predictions. Winds are between 10 and 20 knots with some higher gusts. Barometric pressure is gradually falling in western Florida and along the Keys.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Key West, FL: Next predicted high tides are 1.1 ft (0.33 m) at 08/25/2012 18:16 EDT and 2.1 ft (0.64 m) at 08/26/2012 05:27 EDT.

Vaca Key, FL: Next predicted high tides are 1.1 ft (0.34 m) at 08/26/2012 08:22 EDT and 0.7 ft (0.21 m) at 08/27/2012 00:49 EDT.

## Tropical Storm ISAAC QuickLook, POSTED 18:00 EDT 08/25/2012

Virginia Key, FL: Next predicted high tides are 2.2 ft (0.68 m) at 08/26/2012 04:40 EDT and 2.3 ft (0.71 m) at 08/26/2012 17:30 EDT.

Lake Worth Pier, FL: Next predicted high tides are 2.8 ft (0.85 m) at 08/26/2012 03:36 EDT and 3.2 ft (1.00 m) at 08/26/2012 16:35 EDT.

Trident Pier, FL: Next predicted high tides are 3.4 ft (1.02 m) at 08/26/2012 03:17 EDT and 4.3 ft (1.33 m) at 08/26/2012 16:12 EDT.

Naples, FL: Next predicted high tides are 2.2 ft (0.67 m) at 08/25/2012 21:28 EDT and 3.1 ft (0.94 m) at 08/26/2012 08:04 EDT.

Fort Myers, FL: Next predicted high tides are 0.9 ft (0.28 m) at 08/26/2012 01:11 EDT and 1.6 ft (0.50 m) at 08/26/2012 11:29 EDT.

St. Petersburg, FL: Next predicted high tides are 2.6 ft (0.80 m) at 08/26/2012 09:18 EDT and 1.6 ft (0.51 m) at 08/27/2012 01:43 EDT.

Cedar Key, FL: Next predicted high tides are 2.8 ft (0.85 m) at 08/25/2012 22:39 EDT and 3.9 ft (1.21 m) at 08/26/2012 09:13 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:DW

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ISAAC ADVISORY NUMBER 19  
NWS NATIONAL HURRICANE CENTER MIAMI FL  
500 PM EDT SAT AUG 25 2012

...CENTER OF ISAAC MOVING ALONG THE NORTHERN COAST OF EASTERN CUBA WITH  
LITTLE CHANGE IN STRENGTH...

WATCHES AND WARNINGS

-----  
CHANGES WITH THIS ADVISORY...

A TROPICAL STORM WATCH HAS BEEN ISSUED FOR THE FLORIDA WEST COAST NORTH OF  
TARPON SPRINGS TO SUWANNEE RIVER.

THE GOVERNMENT OF THE DOMINICAN REPUBLIC HAS DISCONTINUED THE TROPICAL  
STORM WARNING FOR THE DOMINICAN REPUBLIC.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

- \* THE FLORIDA KEYS INCLUDING THE DRY TORTUGAS
- \* THE WEST COAST OF FLORIDA FROM BONITA BEACH SOUTHWARD TO OCEAN REEF
- \* FLORIDA BAY

A HURRICANE WATCH IS IN EFFECT FOR...

- \* THE FLORIDA EAST COAST FROM GOLDEN BEACH SOUTHWARD TO OCEAN REEF
- \* ANDROS ISLAND IN THE BAHAMAS

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- \* HAITI
- \* CUBAN PROVINCES OF CIEGO DE AVILA...SANCTI SPIRITUS...VILLA CLARA...CAMAGUEY...LAS TUNAS...GRANMA...HOLGUIN...SANTIAGO DE CUBA...AND GUANTANAMO
- \* THE BAHAMAS
- \* TURKS AND CAICOS ISLANDS
- \* THE FLORIDA EAST COAST FROM SEBASTIAN INLET SOUTHWARD TO OCEAN REEF
- \* LAKE OKEECHOBEE

A TROPICAL STORM WATCH IS IN EFFECT FOR...

- \* CUBAN PROVINCES OF MATANZAS AND CIENFUEGOS
- \* THE FLORIDA EAST COAST NORTH OF SEBASTIAN INLET TO FLAGLER BEACH
- \* THE FLORIDA WEST COAST NORTH OF BONITA BEACH TO SUWANNEE RIVER

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA. A WARNING IS TYPICALLY ISSUED 36 HOURS BEFORE THE ANTICIPATED FIRST OCCURRENCE OF TROPICAL STORM FORCE WINDS...CONDITIONS THAT MAKE OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...IN THIS CASE WITHIN THE NEXT 24 TO 36 HOURS.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

INTERESTS IN THE REMAINDER OF CUBA...THE REMAINDER OF FLORIDA...AND ELSEWHERE ALONG THE NORTHERN GULF COAST SHOULD MONITOR THE PROGRESS OF ISAAC.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

## DISCUSSION AND 48-HOUR OUTLOOK

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AT 500 PM EDT...2100 UTC...THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED NEAR LATITUDE 21.3 NORTH...LONGITUDE 76.0 WEST. ISAAC IS MOVING TOWARD THE NORTHWEST NEAR 21 MPH AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE DURING THE NEXT 48 HOURS. ON THE FORECAST TRACK...THE CENTER OF ISAAC SHOULD MOVE NEAR OR OVER EASTERN CUBA THIS EVENING...NEAR OR OVER CENTRAL CUBA TONIGHT...AND MOVE NEAR OR OVER THE FLORIDA KEYS AND THE SOUTHERN FLORIDA PENINSULA SUNDAY OR SUNDAY NIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 60 MPH WITH HIGHER GUSTS. STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS...AND ISAAC IS EXPECTED TO BE AT OR NEAR HURRICANE STRENGTH WHEN IT REACHES THE FLORIDA KEYS.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 205 MILES MAINLY TO THE NORTH OF THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON HURRICANE HUNTER AIRCRAFT AND CUBAN SURFACE OBSERVATIONS IS 997 MB...29.44 INCHES.

## HAZARDS AFFECTING LAND

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RAINFALL...TOTAL RAINFALL ACCUMULATIONS OF 8 TO 12 INCHES...WITH MAXIMUM AMOUNTS OF 20 INCHES...ARE POSSIBLE OVER HISPANIOLA. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES. TOTAL RAIN ACCUMULATIONS OF 4 TO 8 INCHES...WITH MAXIMUM AMOUNTS OF 12 INCHES...ARE POSSIBLE ACROSS JAMAICA...THE CENTRAL AND EASTERN PORTIONS OF CUBA...THE FLORIDA KEYS AND THE SOUTHERN PENINSULA OF FLORIDA. TOTAL RAIN ACCUMULATIONS OF 3 TO 5 INCHES ARE POSSIBLE OVER THE CENTRAL AND SOUTHERN BAHAMAS.

WIND...TROPICAL STORM CONDITIONS ARE OCCURRING OVER PORTIONS OF THE HAITI...EASTERN CUBA...THE CENTRAL AND SOUTHEASTERN BAHAMAS AND THE TURKS AND CAICOS ISLANDS. TROPICAL STORM CONDITIONS ARE EXPECTED OVER THE NORTHWESTERN BAHAMAS BY SUNDAY MORNING. HURRICANE CONDITIONS ARE POSSIBLE ON ANDROS ISLAND ON SUNDAY. TROPICAL STORM CONDITIONS ARE EXPECTED OVER CENTRAL CUBA TONIGHT. TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH NORTHWESTERN CUBA ON SUNDAY.

HURRICANE CONDITIONS ARE EXPECTED IN THE HURRICANE WARNING AREA IN SOUTHWEST FLORIDA AND THE FLORIDA KEYS ON SUNDAY...WITH TROPICAL STORM CONDITIONS EXPECTED BY EARLY SUNDAY. HURRICANE CONDITIONS ARE POSSIBLE IN THE HURRICANE WATCH AREA IN SOUTHEAST FLORIDA ON SUNDAY...WITH TROPICAL STORM CONDITIONS EXPECTED IN THE TROPICAL STORM WARNING AREA IN FLORIDA BY EARLY SUNDAY. TROPICAL STORM CONDITIONS COULD SPREAD NORTHWARD ALONG THE WEST COAST OF FLORIDA IN THE WATCH AREA BY EARLY MONDAY.

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT

THE TIME OF HIGH TIDE...

- \* SOUTHWEST FLORIDA COAST WITHIN HURRICANE WARNING AREA...5 TO 7 FT
- \* FLA WEST COAST WITHIN WATCH AREA INCLUDING TAMPA BAY...3 TO 5 FT
- \* SOUTHEAST FLORIDA COAST AND THE FLORIDA KEYS...1 TO 3 FT
- \* HISPANIOLA AND EASTERN CUBA...1 TO 3 FT
- \* THE BAHAMAS AND TURKS AND CAICOS...1 TO 3 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE FLOW. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER SERVICE OFFICE. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY DANGEROUS WAVES.

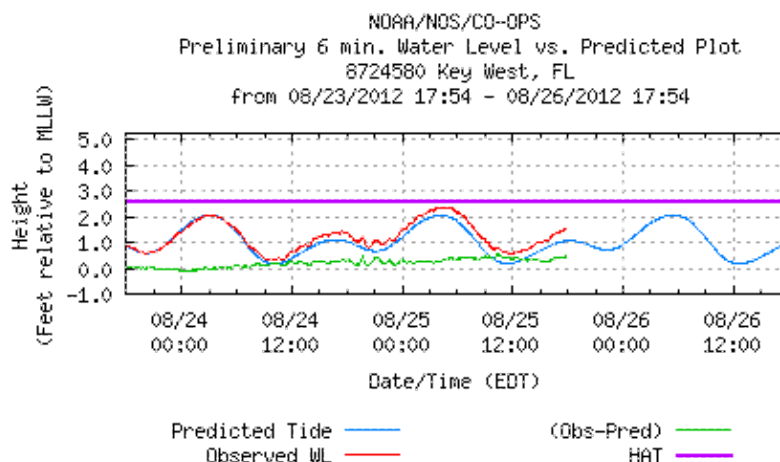
SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL AFFECT HISPANIOLA...THE BAHAMAS...THE TURKS AND CAICOS...EASTERN AND CENTRAL CUBA...AND THE EAST COAST OF FLORIDA AND THE FLORIDA KEYS DURING THE NEXT COUPLE OF DAYS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE FOR MORE INFORMATION.

FORECASTER BEVEN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Key West - Water Level](#), [Key West - Barometric](#), [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Barometric](#), [Virginia Key - Water Level](#), [Virginia Key - Winds](#), [Virginia Key - Barometric](#), [Lake Worth Pier - Water Level](#), [Lake Worth Pier - Winds](#), [Lake Worth Pier - Barometric](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Barometric](#), [Fort Myers - Water Level](#), [Fort Myers - Winds](#), [Fort Myers - Barometric](#), [St. Petersburg - Water Level](#), [St. Petersburg - Winds](#), [St. Petersburg - Barometric](#), [Cedar Key - Water Level](#), [Cedar Key - Winds](#), [Cedar Key - Barometric](#),

[Key West, FL - Return to List](#)

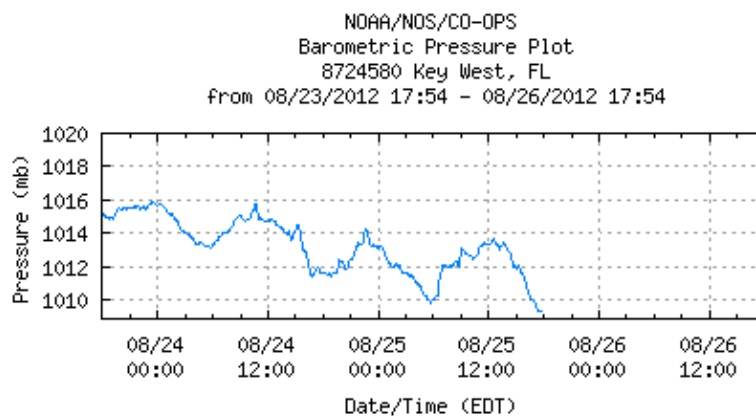


Last Observed Sample: 08/25/2012 17:48 (EDT)

Relative to MLLW: **Observed: 1.51 ft.** **Predicted: 1.06 ft.** **Residual: 0.45 ft.**

Historical Maximum Water Level: Oct 24 2005, 3.14 ft. above MHHW

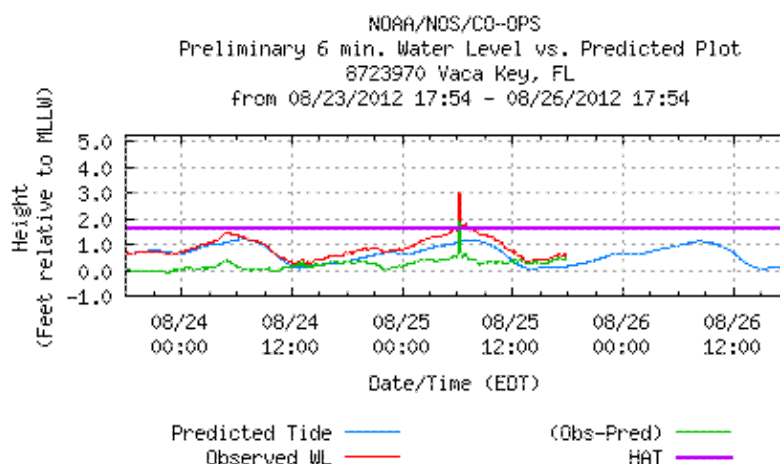
[Key West, FL - Return to List](#)



Last Observed Sample: 08/25/2012 17:48 (EDT)

**Barometric Pressure: 1009.4 mb**

Vaca Key, FL - Return to List

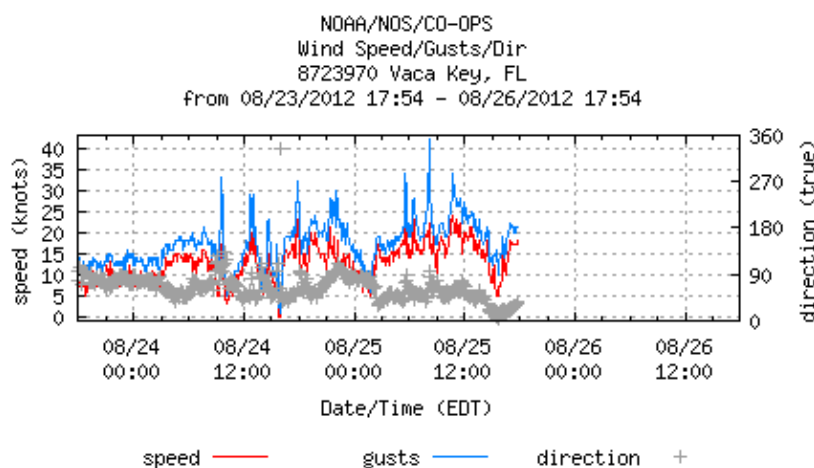


Last Observed Sample: 08/25/2012 17:48 (EDT)

Relative to MLLW: **Observed: 0.61 ft.** **Predicted: 0.15 ft.** **Residual: 0.46 ft.**

Historical Maximum Water Level: Oct 24 2005, 5.8 ft. above MHHW

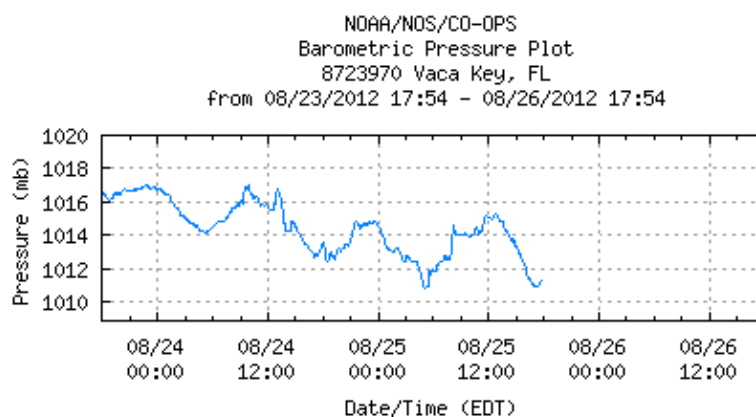
Vaca Key, FL - Return to List



Last Observed Sample: 08/25/2012 17:48 (EDT)

**Wind Speed: 18 knots** **Gusts: 21 knots** **Direction: 36° T**

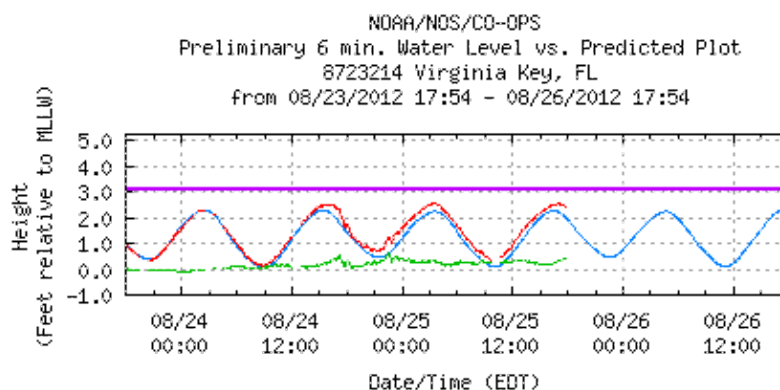
Vaca Key, FL - Return to List



Last Observed Sample: 08/25/2012 17:48 (EDT)

Barometric Pressure: 1011.3 mb

Virginia Key, FL - Return to List



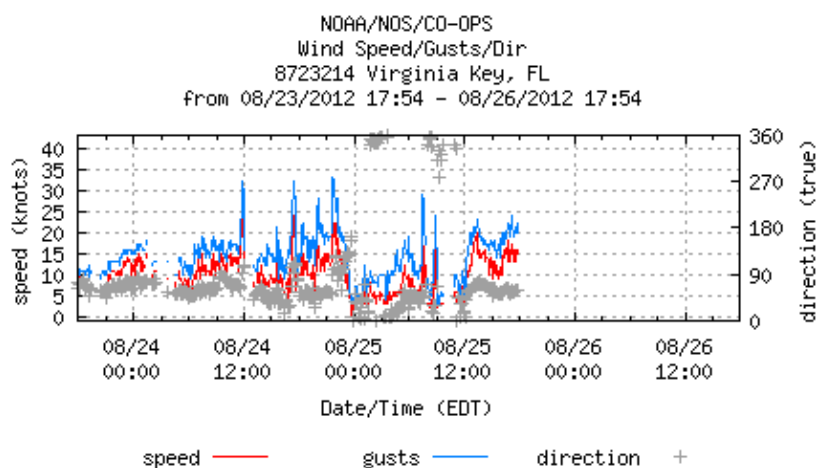
Last Observed Sample: 08/25/2012 17:54 (EDT)

Relative to MLLW: **Observed: 2.37 ft.** **Predicted: 1.94 ft.** **Residual: 0.43 ft.**

Historical Maximum Water Level: Oct 24 2005, 2.58 ft. above MHHW



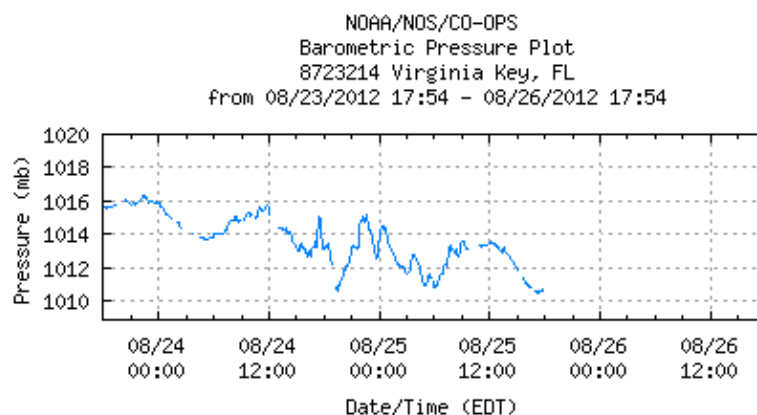
Virginia Key, FL - Return to List



Last Observed Sample: 08/25/2012 17:54 (EDT)

Wind Speed: 15 knots Gusts: 22 knots Direction: 55° T

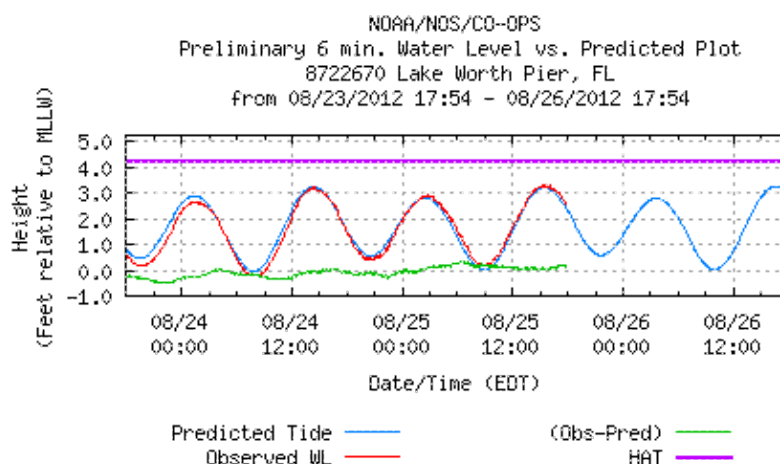
Virginia Key, FL - Return to List



Last Observed Sample: 08/25/2012 17:54 (EDT)

Barometric Pressure: 1010.6 mb

Lake Worth Pier, FL - Return to List

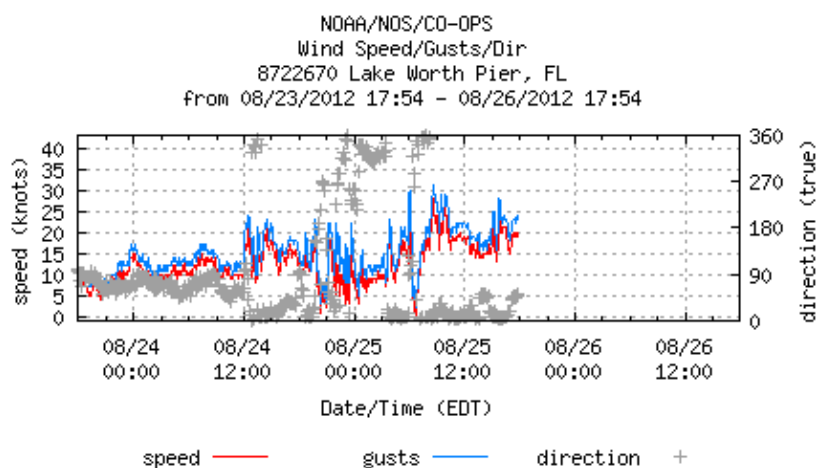


Last Observed Sample: 08/25/2012 17:48 (EDT)

Relative to MLLW: **Observed: 2.54 ft.** **Predicted: 2.41 ft.** **Residual: 0.13 ft.**

Historical Maximum Water Level: Nov 23 1984, 1.88 ft. above MHHW

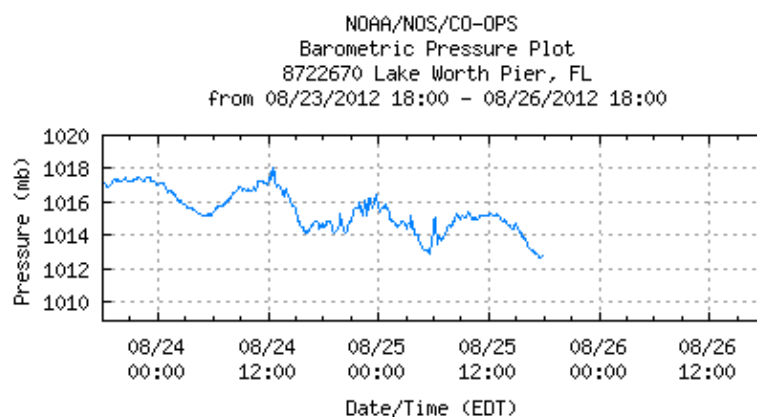
Lake Worth Pier, FL - Return to List



Last Observed Sample: 08/25/2012 17:48 (EDT)

**Wind Speed: 19 knots** **Gusts: 23 knots** **Direction: 51° T**

Lake Worth Pier, FL - Return to List

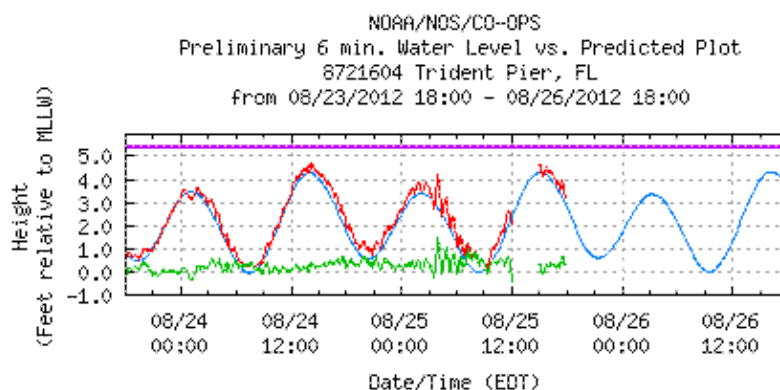


barometric pressure —

Last Observed Sample: 08/25/2012 17:48 (EDT)

Barometric Pressure: 1012.8 mb

Trident Pier, FL - Return to List



Predicted Tide —

(Obs-Pred) —

Observed WL —

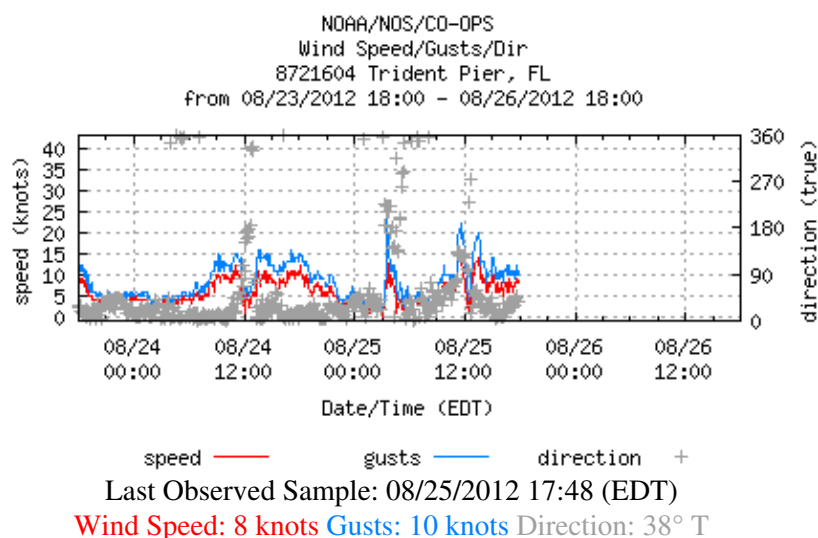
HAT —

Last Observed Sample: 08/25/2012 17:48 (EDT)

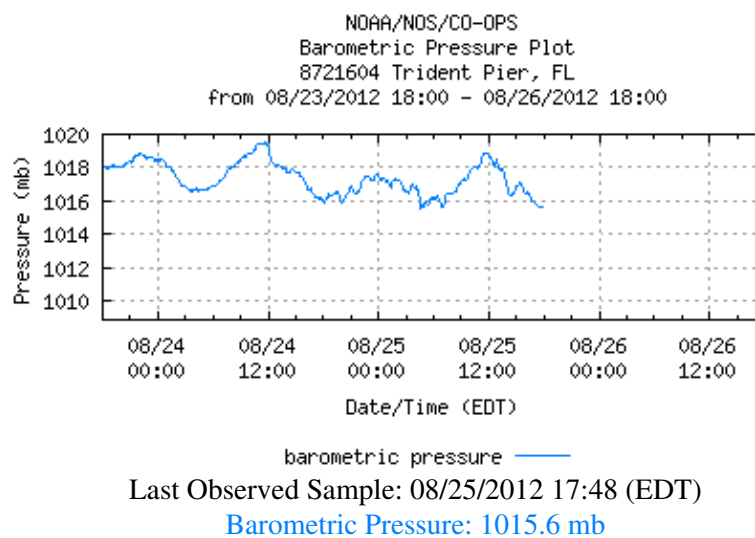
Relative to MLLW: **Observed: 3.25 ft.** **Predicted: 2.96 ft.** **Residual: 0.29 ft.**

Historical Maximum Water Level: Sep 26 2004, 4.01 ft. above MHHW

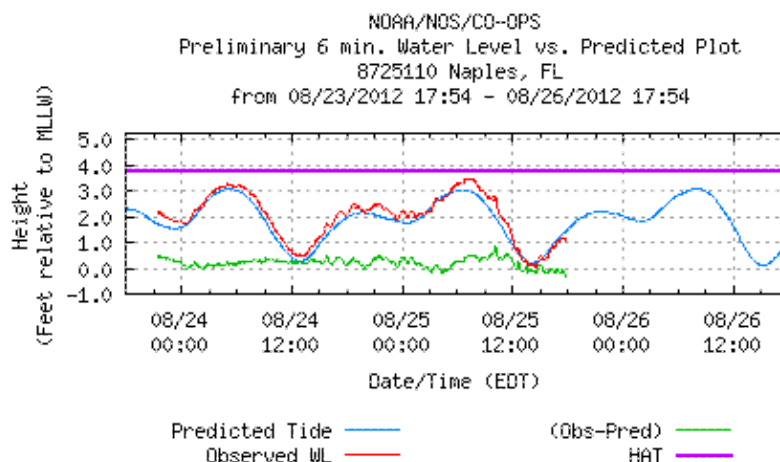
[Trident Pier, FL - Return to List](#)



[Trident Pier, FL - Return to List](#)



Naples, FL - Return to List

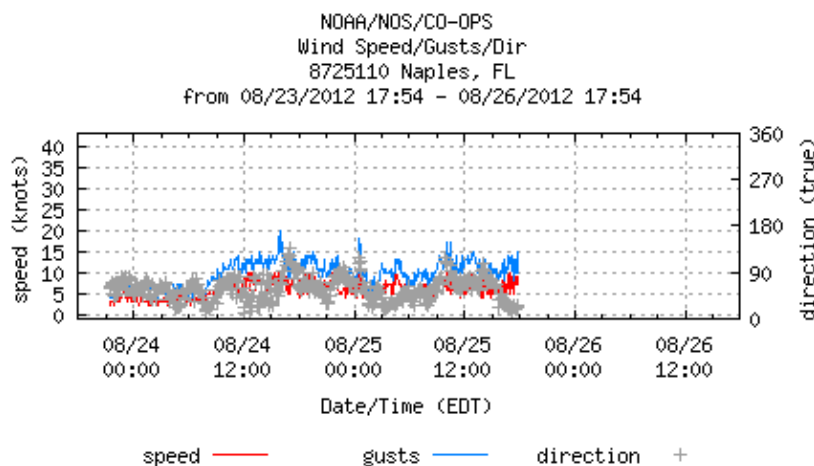


Last Observed Sample: 08/25/2012 17:48 (EDT)

Relative to MLLW: **Observed: 1.13 ft.** **Predicted: 1.45 ft.** **Residual: -0.32 ft.**

Historical Maximum Water Level: Dec 21 1972, 3.11 ft. above MHHW

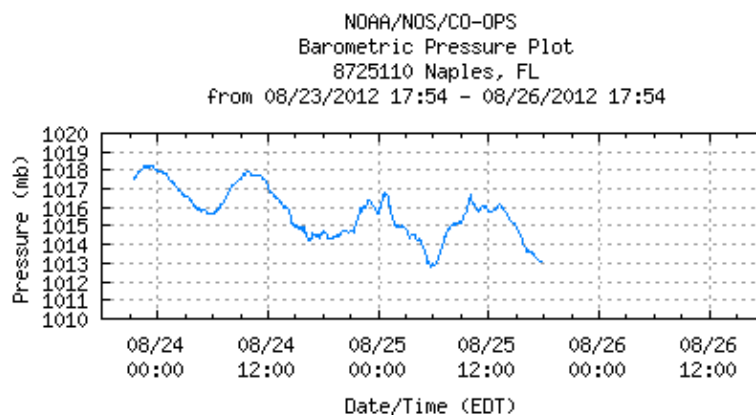
Naples, FL - Return to List



Last Observed Sample: 08/25/2012 17:48 (EDT)

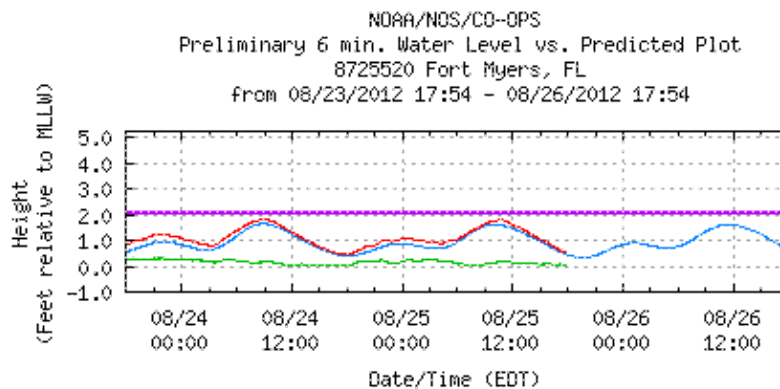
**Wind Speed: 9 knots** **Gusts: 15 knots** **Direction: 27° T**

Naples, FL - Return to List



Last Observed Sample: 08/25/2012 17:48 (EDT)  
Barometric Pressure: 1013.1 mb

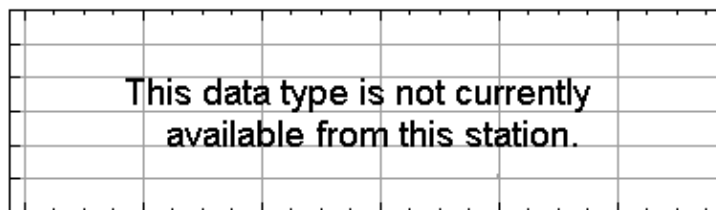
Fort Myers, FL - Return to List



Last Observed Sample: 08/25/2012 17:48 (EDT)  
Relative to MLLW: **Observed: 0.54 ft.** **Predicted: 0.47 ft.** **Residual: 0.07 ft.**  
Historical Maximum Water Level: Nov 23 1988, 3.41 ft. above MHHW

[Fort Myers, FL](#) - [Return to List](#)

NOAA/NOS/CO-OPS



Last Observed Sample: 08/25/2012 17:48 (EDT)

Wind Speed: 8 knots Gusts: 13 knots Direction: 76° T

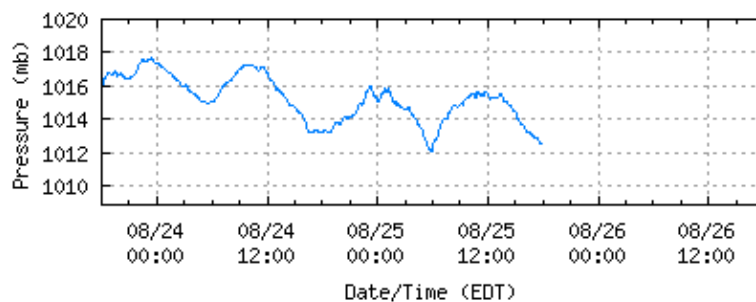
[Fort Myers, FL](#) - [Return to List](#)

NOAA/NOS/CO-OPS

Barometric Pressure Plot

8725520 Fort Myers, FL

from 08/23/2012 18:00 - 08/26/2012 18:00

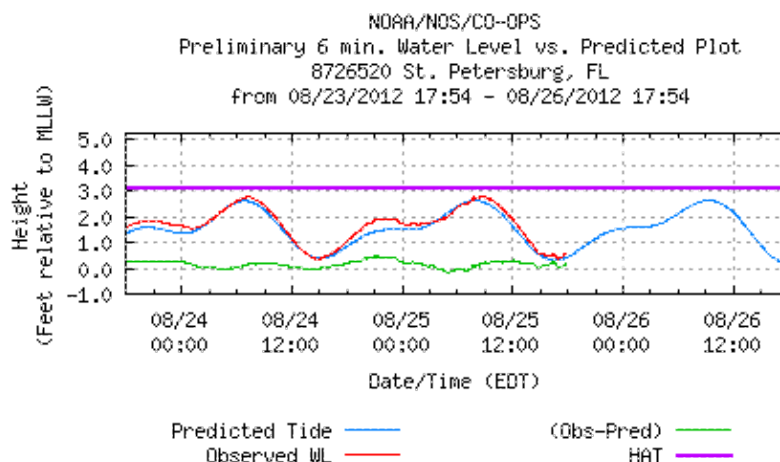


barometric pressure —

Last Observed Sample: 08/25/2012 17:48 (EDT)

Barometric Pressure: 1012.6 mb

St. Petersburg, FL - Return to List

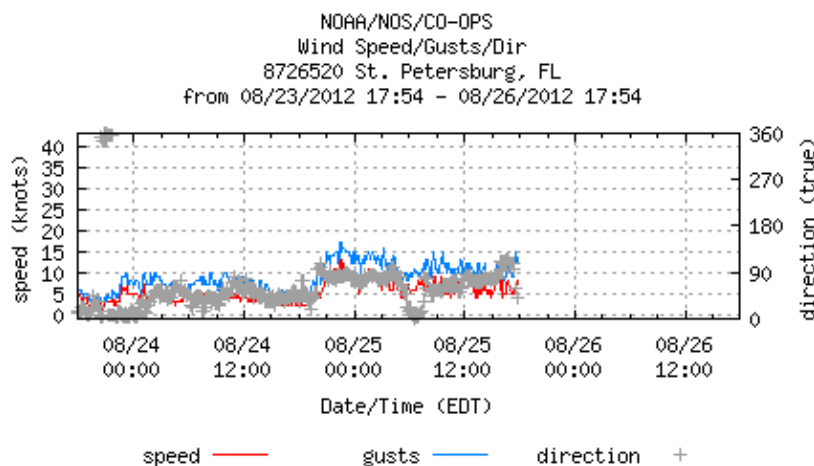


Last Observed Sample: 08/25/2012 17:48 (EDT)

Relative to MLLW: **Observed: 0.55 ft.** **Predicted: 0.41 ft.** **Residual: 0.14 ft.**

Historical Maximum Water Level: Aug 31 1985, 4 ft. above MHHW

St. Petersburg, FL - Return to List

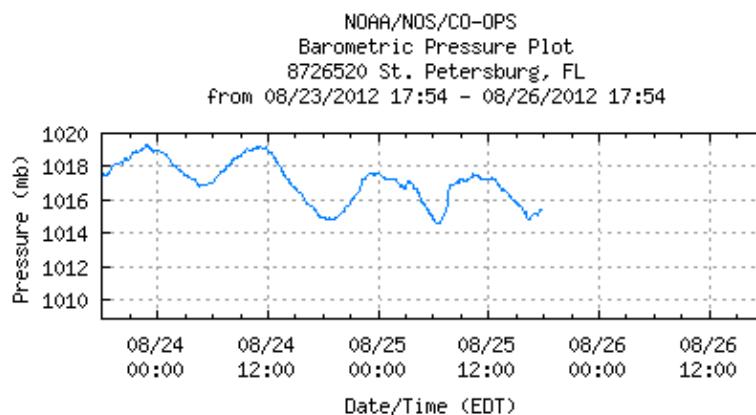


Last Observed Sample: 08/25/2012 17:48 (EDT)

**Wind Speed: 8 knots** **Gusts: 12 knots** **Direction: 42° T**



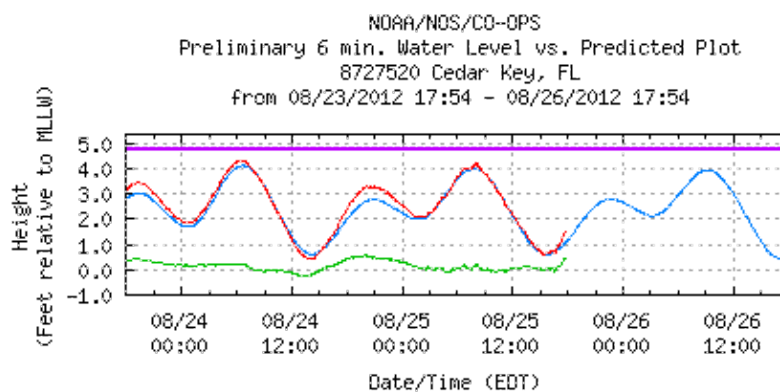
St. Petersburg, FL - Return to List



Last Observed Sample: 08/25/2012 17:48 (EDT)

Barometric Pressure: 1015.4 mb

Cedar Key, FL - Return to List

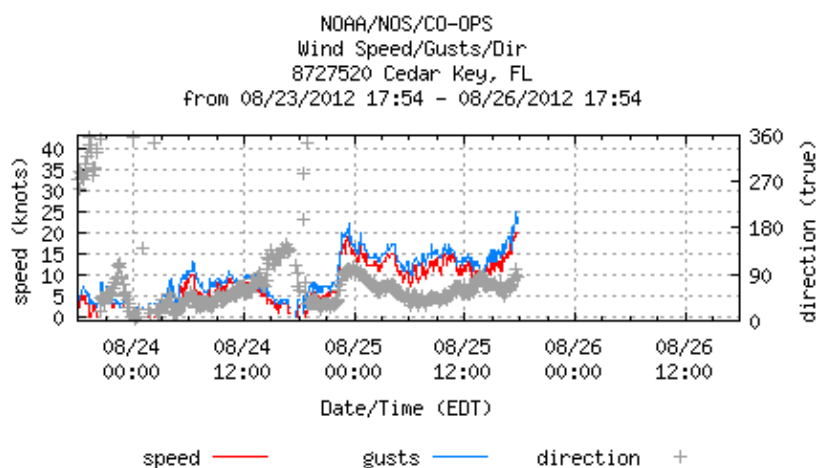


Last Observed Sample: 08/25/2012 17:42 (EDT)

Relative to MLLW: **Observed: 1.51 ft.** **Predicted: 1.07 ft.** **Residual: 0.44 ft.**

Historical Maximum Water Level: Oct 7 1996, 5.15 ft. above MHHW

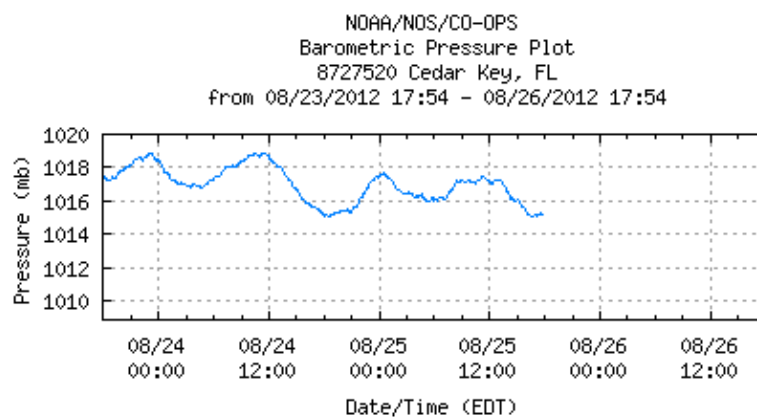
Cedar Key, FL - Return to List



Last Observed Sample: 08/25/2012 17:42 (EDT)

Wind Speed: 20 knots Gusts: 22 knots Direction: 84° T

Cedar Key, FL - Return to List



Last Observed Sample: 08/25/2012 17:42 (EDT)

Barometric Pressure: 1015.2 mb

Tropical Storm ISAAC QuickLook, POSTED 18:00 EDT 08/25/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce